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FIGURE 1

		1	I	1				1	
DATA SET 2		Dietary and lifestyle advice	Consume food products. such as for example vegetables and fruit, eg cruciferous and allum famility of vegetables.	increase consumption of food products known to induce Phase II metabolism, e g cruciferous and allium family vegetables	Increase consumption of food products known to induce Phase II metabolism, eg cruciferous and allium family vegetables	Increase consumption of food products known to induce Phase II metabolism, e g cruciferous and allium family vegetables	Increase consumption of food products known to induce Phase II metabolism, e g cruciferous and allium family vegetables	Consume food products, such as for example vegetables and fruit eg cucrierous and allium famility of vegetables	Increase consumption of food products known to induce Phase II metabolism eg increase consumptions neg increase consumptions as the product vegetables; particularly such as broccoll and members of the allum family such as gardic and omnon
		Foods and other materials to avoid	1	Avoid consumption of sources of Xenobiotics (e.g. PAH) found in, for example, char-grilled red meat and smoked fish	Avoid consumption of sources of Xenobiotics (e.g. PAH) found in, for example, char-grilled red meat and smoked fish	Avoid consumption of sources of Xenobiotics (e.g. PAH) found in, for example, chargrilled red meat and smoked fish	Avoid consumption of sources of Xenobiotics (e.g. PAH) found in, for example, char-grilled fred meat and smoked fish	Reduce consumption of potential procarculogens (e.g. PAH) found in, for example, char-grilled red meat and smoked fish	Avoid consumption of sources of Xenobiolites (e.g. PAH) found in, for example, chargnilled ear meat and smoked fish
DATA SET 1	Genetic Susceptability ranking	Very high susceptibility							
		Higher susceptibility		YES		YES			YES
		Moderate increase in susceptibility			YES		YES		
		Normal susceptibility	YES					YES	
		Reduces susceptibility							
		Homozygote or heterozygote relative to wild type	Homozygote	Homozygote	Heterozygotes	Homozygote	Heterozygotes	Homozygote	Homozygote
		Links with higher risks of cancer susceptibility				:			
		Links with Cancer susceptabilities	Coloractal, urmary bladder, breast, oral cavity, stomach, and tung cancers	Colorectal, urnary bladder, breast, oral cavity, stomach, and lung cancers		Colorectal, urnary bladder, breast, oral cavity stomach, and lung cancers			Colon cancer
		Polymorphisms	Cyp1A1-A (Wild type)	Cyp1A1-C		lle-Val polymorphism		NAT1*4 (wild type)	NAT1*10
		Gene Marker	СУР				TAN		
		Examples of Gene Types	Genes that code for enzymes responsible for the detoxification of xenobiotics in Phase I metabolism						
		General Gene Marker Type	Type i						

Input Dataset 3 (Alleles Present in Subject's DNA) Match Each Allele with Lifestyle Risk Factor from Dataset 1 Match Lifestyle Risk Factor with Lifestyle Recommendation they first their the start the start their start the start start start start the start start start the start 10 from Dataset 2 Cross -reference Lifestyle Recommendation with Other Factors (e.g. sex, existing diet) and amend recommendation 15 as appropriate Generate Lifestyle Recommendation matched to allele and other factors 20 Combine Lifestyle Recommendations corresponding to each identified allele Personalised Lifestyle Advice Plan